

1-172168-2 ✓ ACTIVE

MATE-N-LOK | Mini-Universal MATE-N-LOK

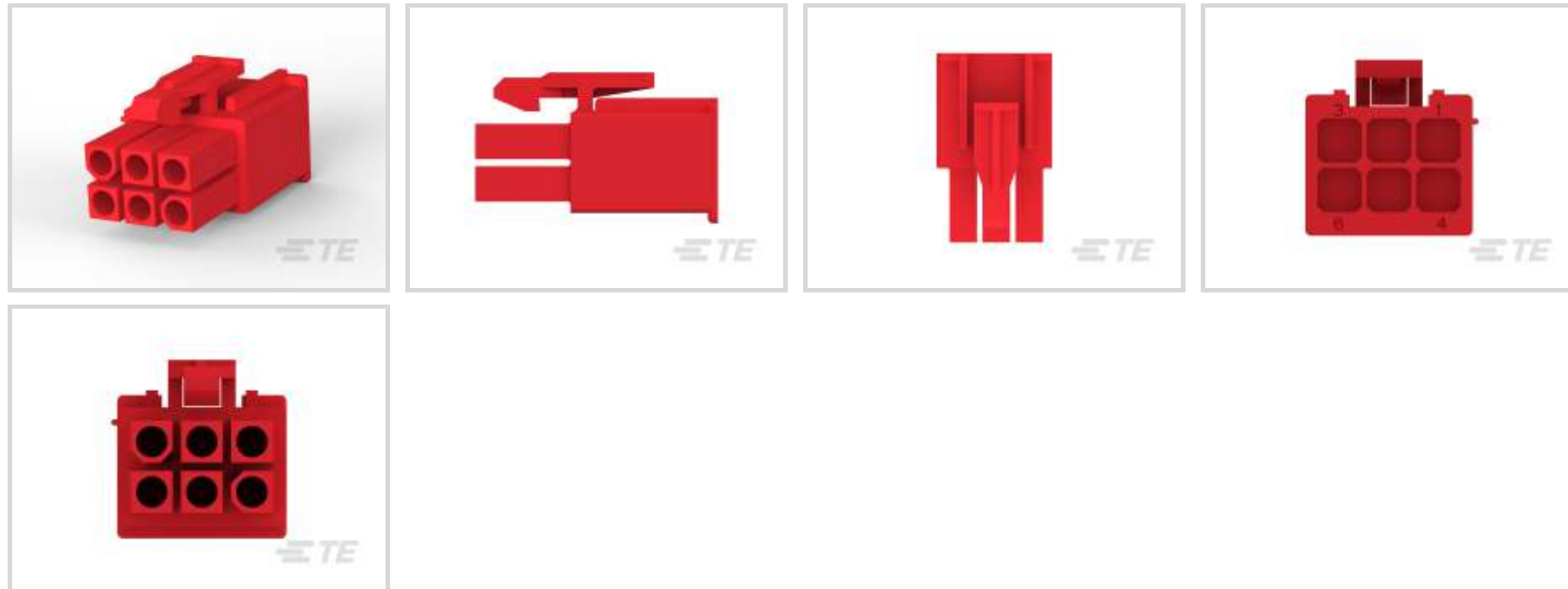
TE Internal #: 1-172168-2

Rectangular Power Connectors, Housing, Plug, Wire-to-Wire, 6 Position, 4.2 mm [.165 in] Centerline, Wire & Cable, UL 94V-0, Mini-Universal MATE-N-LOK

[View on TE.com >](#)



Connectors > Power Connectors > Rectangular Power > Rectangular Power Connectors



Rectangular Power Connector Type: **Housing**

Connector & Housing Type: **Plug**

Connector System: **Wire-to-Wire**

Number of Positions: **6**

Centerline (Pitch): **4.2 mm [.165 in]**

## Features

### Product Type Features

Rectangular Power Connector Type	Housing
Connector & Housing Type	Plug
Connector System	Wire-to-Wire
Sealable	No
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Positions	6
Number of Rows	2

### Electrical Characteristics

Operating Voltage	600 VDC
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### Contact Features

Multiple Contact Types	Without
Contact Retention Within Housing	Without
Contact Type	Socket



### Termination Features

Termination Method to Wire & Cable	Crimp
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### Mechanical Attachment

Panel Mount Feature	Without
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

Centerline (Pitch)	4.2 mm [.165 in]
Housing Color	Red
Housing Material	Nylon 66

### Dimensions

Row-to-Row Spacing	4.2 mm [.165 in]
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### Usage Conditions

Operating Temperature Range	-20 – 105 °C [-4 – 221 °F]
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### Operation/Application

Circuit Application	Power & Signal
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### Identification Marking

Circuit Identification Feature	With
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### Industry Standards

CSA Rating	Certified, LR 7189
UL Rating	Recognized
Agency/Standard	CSA, UL
Approved Standards	UL E28476
UL Flammability Rating	UL 94V-0
Glow Wire Rating	Standard Part - Not Glow Wire

### Packaging Features

Packaging Quantity	500
Packaging Method	Bag

### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC

Compliant

China RoHS 2 Directive MIIT Order No 32, 2016

No Restricted Materials Above Threshold

EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JUNE 2023 (235)

Candidate List Declared Against: JAN 2023 (233)

SVHC > Threshold:

Melamine (3% in Component Part)

**Article Safe Usage Statements:**

Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Not applicable for solder process capability

**Product Compliance Disclaimer**

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

## Compatible Parts



TE Part # 1-770988-1  
MINI UMNL SOK 22-18AWG LP LF



TE Part # 1-770985-0  
MINI UMNL PIN 26-22AWG AU LP



TE Part # 1-770987-0  
MINI UMNL PIN 22-18 AWG AU LP



TE Part # 770988-3  
MINI UMNL SOK 22-18AWG AU LP



TE Part # 1-770988-0  
MINI UMNL SOK 22-18AWG AU



TE Part # 1-794059-0  
MINI UMNL PIN L/P LF



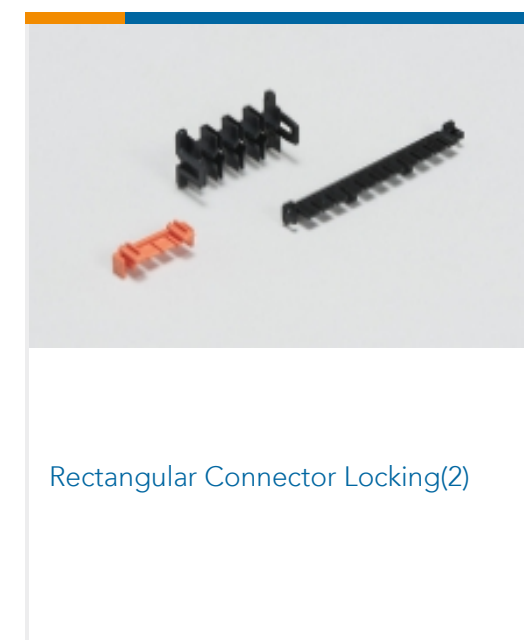
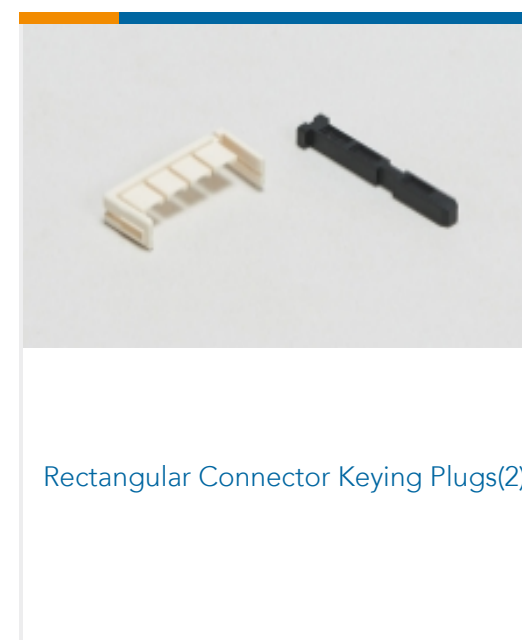
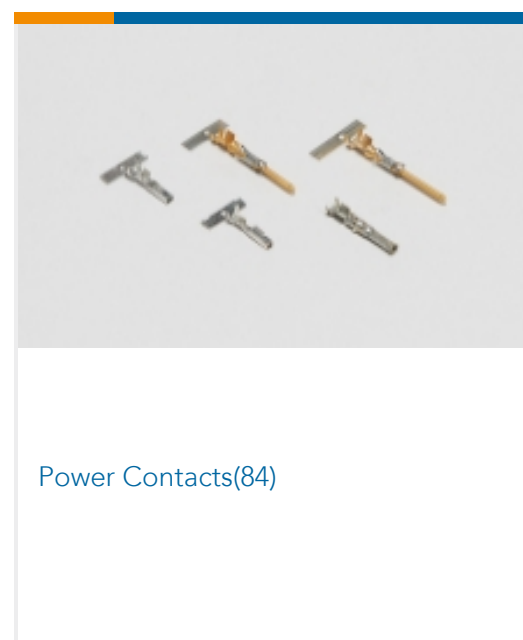
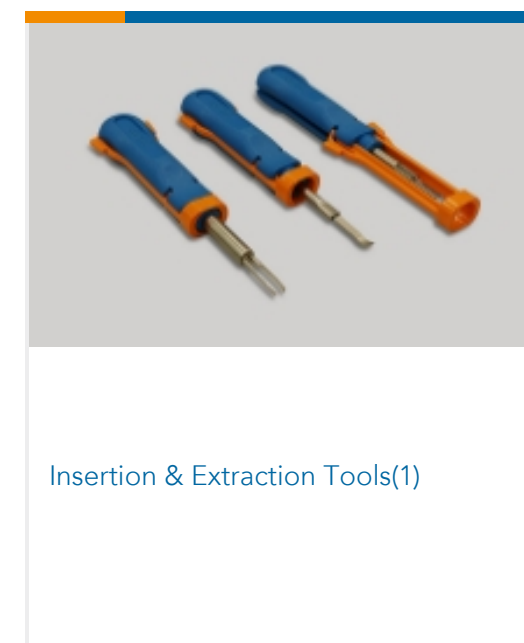
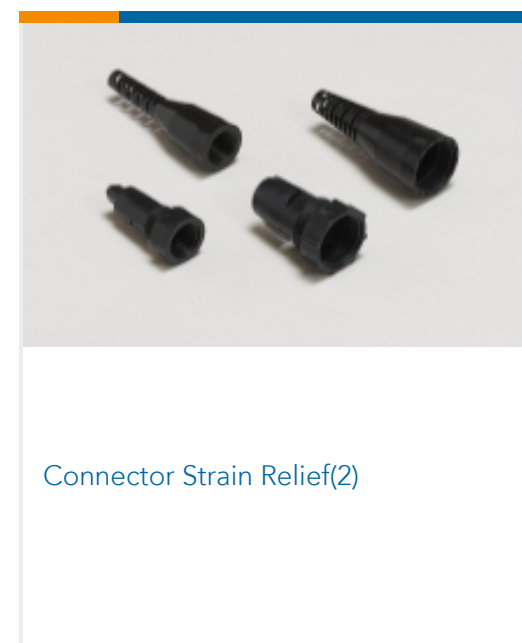
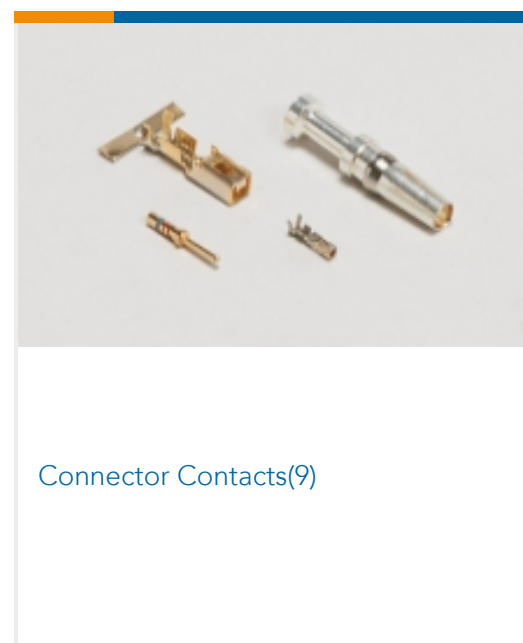
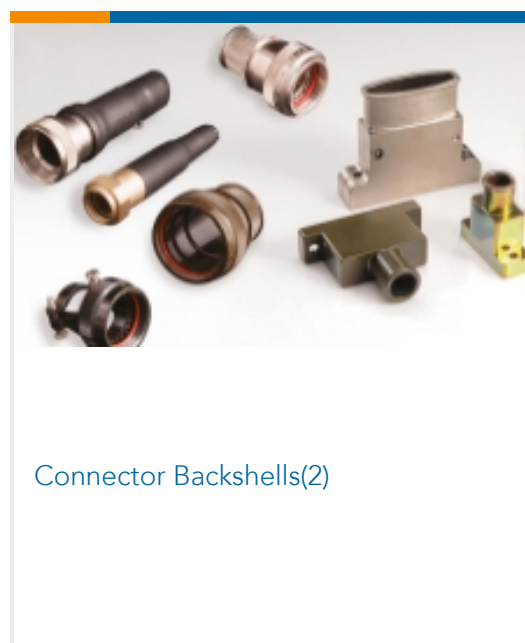
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MINI UMNL SOK 22-18AWG SN LP

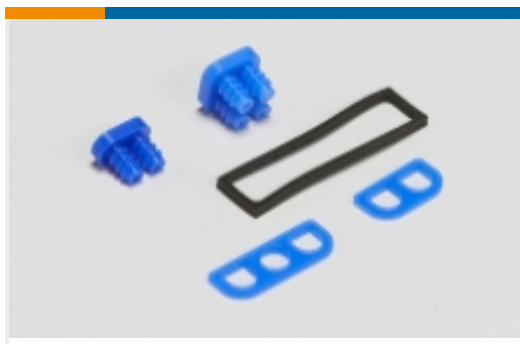


TE Part # 770986-1  
MINI UMNL SOK 26-22AWG SN LP



Also in the Series | Mini-Universal MATE-N-LOK



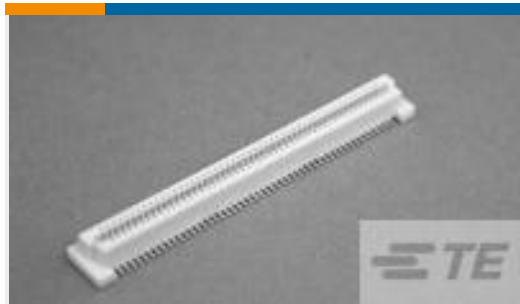


Rectangular Connector Seals(17)

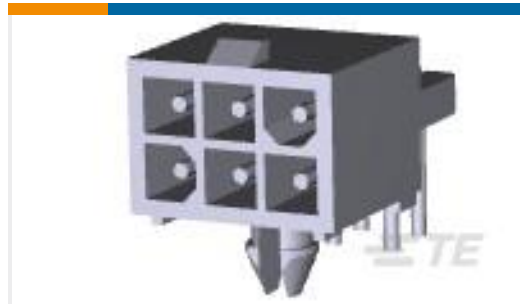


Rectangular Power Connectors(243)

## Customers Also Bought



TE Part #5177985-6  
0.8FH,R05H.5,140,08/Sn,TR,SC



TE Part #770969-2  
06P MINI UMNL R/A HDR ASSY AU



TE Part #1-794407-0  
MINI UMNL SOK 20-16 AWG AU LF



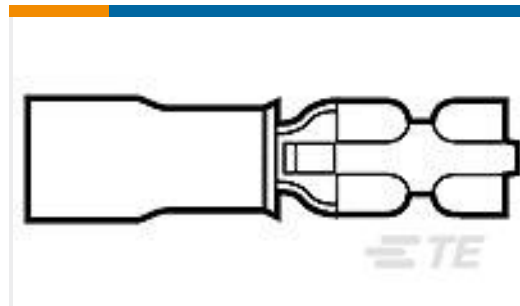
TE Part #794406-3  
MINI UMNL CONT 20-16AWG AU



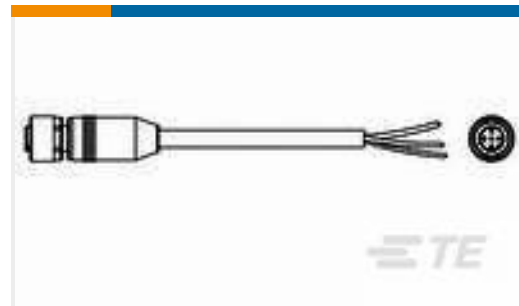
TE Part #170361-3  
MINI UNIVERSAL M-N-L SOCKET



TE Part #2-1419106-6  
27E894=SOCKET,KH,14,SCW,POLY,N



TE Part #641324-1  
RECEPT PIDG FASTON 26-24 110



TE Part #2273047-4  
M12 x 1.0 straight socket pigt shld A



TE Part #60-0012-011-000  
CONTACT SOCKET 2 MM



TE Part #BSA082N00420100000  
923 PLUG, SPEEDTEC

## Documents

### Product Drawings

[MINI UNIVERSAL M-N-L PLUG 6P](#)

English

### CAD Files

[3D PDF](#)

[3D](#)

### Customer View Model

[ENG\\_CVM\\_CVM\\_1-172168-2\\_M.2d\\_dxf.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-172168-2\\_M.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1-172168-2\\_M.3d\\_stp.zip](#)

English

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**Product Specifications**

[Engineering Report](#)

English

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**Product Environmental Compliance**

[Product Compliance Document](#)

English

[Product Compliance Document](#)

English

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**Instruction Sheets**

[Instruction Sheet \(U.S.\)](#)

English